

Form PTO-1449 <b>INFORMATION DISCLOSURE STATEMENT</b> BY APPLICANT (Use several sheets if necessary)				Atty. Docket No. P21188	Serial No. 09/961,333	 <b>MAY 27 2003</b>							
				Applicants Hiroshi NOMURA et al.									
				Filing Date September 24, 2001		 <b>GROUT TRADE</b>							
				<b>U.S. PATENT DOCUMENTS</b>									
EXAMINER INITIAL	DOCUMENT NUMBER			DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE					
	4	4	8	4	8	0	0	11/27/84	TAMURA				
	4	5	7	6	4	4	6	03/18/86	KAMATA				
	4	5	9	5	0	8	1	06/17/86	PARSONS				
	4	6	6	2	2	4	1	05/05/87	EDWARDS				
	4	8	3	4	5	1	4	05/30/89	ATSUTA et al.				
	4	9	7	1	4	2	7	11/20/90	TAKAMURA et al.				
	4	9	9	3	8	1	5	02/19/91	YAMAZAKI et al.				
	5	0	3	7	1	8	7	08/06/91	ODA et al.				
	5	1	2	6	8	8	3	06/30/92	SATO et al.				
	5	1	7	7	6	3	8	01/05/93	EMURA et al.				
	5	1	9	6	9	6	3	03/23/93	SATO et al.				
	5	2	6	8	7	9	4	12/07/93	CHAN				
<b>FOREIGN PATENT DOCUMENTS</b>													
	DOCUMENT NUMBER			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO					
	0	4	3	4	0	9	0	7	11/27/92	JAPAN			
<b>OTHER DOCUMENTS (Including Author, Title, Date; Pertinent Pages, Etc.)</b>													
	1	English Language Abstract of JP Appln. No. 04-340907.											
EXAMINER	<i>Alecia D'Amato</i>				DATE CONSIDERED				4/21/04				
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office					Atty. Docket No. P21188	Serial No. 09/961,233		
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)					Applicant Hiroshi NOMURA et al.			
							Filing Date September 24, 2001	Group 2872		
<b>U.S. PATENT DOCUMENTS</b>										
EXAMINER INITIAL		DOCUMENT NUMBER			DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>		4	9	1	8	4	8	0	04/17/90	HORI
<i>W</i>		4	9	7	5	7	2	5	12/04/90	MORISAWA
<i>W</i>		5	1	4	4	3	5	2	09/01/92	SHONO
<i>W</i>		5	2	2	2	4	0	7	06/29/93	SEKIGUCHI
<i>W</i>		5	2	3	7	3	5	7	08/17/93	MORISAWA
<i>W</i>		5	3	1	3	2	4	4	05/17/94	ARAI
<i>W</i>		5	6	4	6	7	9	0	07/08/97	KOHMOTO et al.
<i>W</i>		5	6	7	1	4	4	9	09/23/97	SHIMIZU
<i>W</i>		5	7	0	1	2	0	8	12/23/97	SATO et al.
<i>W</i>		5	7	0	8	5	3	3	01/13/98	HAMASAKI
<i>W</i>		5	7	7	4	7	4	8	06/30/98	ITO et al.
<i>W</i>		5	8	4	2	0	5	7	11/24/98	NOMURA et al.
<i>W</i>		4	9	1	7	4	8	2	04/17/90	ITO
<i>W</i>		4	9	7	8	2	0	4	12/18/90	ITO
<i>W</i>		4	9	8	4	8	7	7	01/15/91	ITO
<i>W</i>		5	5	7	2	2	7	6	11/05/96	HIRAKAWA
<i>W</i>		6	0	2	8	7	1	4	02/22/00	KOYAMA
<b>FOREIGN PATENT DOCUMENTS</b>										
		DOCUMENT NUMBER				DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>W</i>	20	00	2	7	5	5	1	8	10/06/00	JAPAN
<i>W</i>	8-	1	4	6	2	9	6		06/07/96	JAPAN
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>										
<i>W</i>	1	English Language Abstract of JP 2000-275518.								
<i>W</i>	2	English Language Abstract of JP 8-146296.								
EXAMINER <i>Alexa Shubert</i>					DATE CONSIDERED <i>4/21/04</i>					
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				Applicants Hiroshi NOMURA et al.			
				Filing Date September 24, 2001	GPO 2872 U.S. GOVERNMENT PRINTING OFFICE 2001 <i>U.S. PATENT &amp; TRADEMARK OFFICE</i>		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>W</i>	6 1 1 8 6 6 6	09/12/00	AOKI et al.				
<i>W</i>	6 1 6 0 6 7 0	12/12/00	NAKAYAMA et al.				
<i>W</i>	6 4 2 4 4 6 9	07/23/02	HIRAI				
<i>W</i>	6 4 3 7 9 2 4	08/20/02	AZEGAMI				
<i>W</i>	6 4 9 3 5 1 1	12/10/02	SATO				
<i>W</i>	6 4 2 9 9 7 9	08/06/02	ENOMOTO				
<i>W</i>	6 4 3 7 9 2 2	08/20/02	ENOMOTO et al.				
<i>W</i>	6 5 2 2 4 7 8	02/18/03	NOMURA et al.				
<i>W</i>	6 5 2 2 4 8 2	02/18/03	NOMURA et al.				
<i>W</i>	6 5 2 2 4 8 1	02/18/03	NOMURA et al.				
<i>W</i>	6 4 2 9 9 7 9	08/06/02	ENOMOTO				
<i>W</i>	6 4 3 7 9 2 2	08/20/02	ENOMOTO et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER	<i>Johanna R. Little</i>			DATE CONSIDERED <i>4/1/04</i>			
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<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>JP</i>	5 3 0 1 0 6 6	04/05/94	HIGUCHI et al.				
<i>JP</i>	5 5 8 9 9 8 7	12/31/96	TANAKA				
<i>JP</i>	5 7 0 1 2 0 8	12/23/97	SATO et al.				
<i>JP</i>	5 7 3 9 9 6 2	04/14/98	ASAKURA et al.				
<i>JP</i>	5 7 7 4 2 6 6	06/30/98	OTANI et al.				
<i>JP</i>	5 8 7 0 2 3 2	02/09/99	TSUJI et al.				
<i>JP</i>	5 9 3 3 2 8 5	08/03/99	SATO et al.				
<i>JP</i>	6 0 6 9 7 4 5	05/30/00	FUJI et al.				
<i>JP</i>	6 1 9 5 2 1 1	02/27/01	IWASAKI				
<i>JP</i>	6 3 6 9 9 5 5	04/09/02	ENOMOTO et al.				
<i>JP</i>	6 4 5 6 4 4 2	09/24/02	ENOMOTO				
<i>JP</i>	6 4 5 6 4 4 5	09/24/02	NOMURA et al.				
<b>FOREIGN PATENT DOCUMENTS</b>							
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<i>NONE</i>							
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
<i>NONE</i>							
<i>please see Exhibit</i>				DATE CONSIDERED <i>4/21/04</i>			

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	6 4 6 9 8 4 0	10/22/02	NOMURA et al.				
	6 4 6 9 8 4 1	10/22/02	NOMURA et al.				
	6 5 1 2 6 3 8	01/28/03	SATO et al.				
JP 2002	1 0 0 1 2 1 7 8	01/31/02	NOGUCHI				
JP 2002	1 0 0 3 6 8 3 6	03/28/02	HAGIMORI				
	4 3 9 0 2 6 2	06/28/83	HIROHATA et al.				
	4 4 1 6 5 2 7	11/22/83	OKURA				
	5 1 6 6 8 2 9	11/24/92	IIZUKA				
JP	5 2 4 1 4 2 2	08/31/93	SHIMADA et al.				
	5 4 6 1 4 4 3	10/24/95	NAKAYAMA et al.				
JP	5 5 5 9 5 7 1	09/24/96	MIYAMOTO et al.				
JP	5 8 1 2 8 8 9	09/22/98	NOMURA et al.				
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